



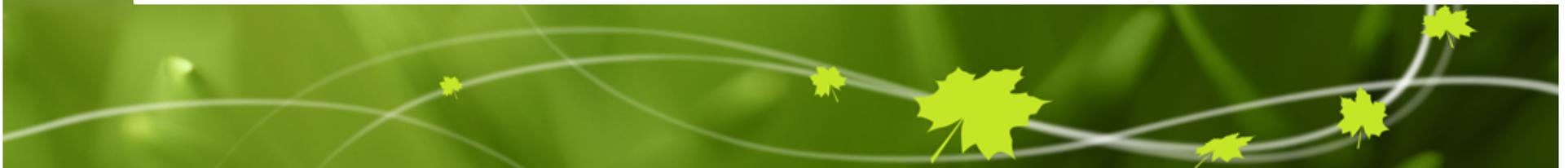
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Theme 3: Air Quality and Weather Forecasts: Two-way Interactions

**International Workshop on Air Quality
Forecasting Research
Boulder, December 2-3, 2009**



Theme 3 discussion

- **Do we know enough?**
- **Which processes need to be coupled?**
 - In which context? (climate/AQ/ AQ forecasting/weather forecasting?)
 - At what temporal and/or spatial scale (horizontal & vertical) is it important?
 - Is it scale dependent?
- **How should the coupling be done?**
 - Are some coupling methodologies better than others?
 - How much more resources does it requires?
 - How much detail needs to be reflected in the coupling?
- **Does it provide significant enough benefits for forecasting?**
 - Air quality ? Especially PM, O₃ and NO₂ accuracy?
 - Meteorology ?
 - Is it worth the cost? Are we missing something without it?

